

ROLE OF NIMBA (AZADIRACHTA INDICA) IN BABIES SKIN DISEASES

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ABSTRACT

Azadirachta indica- Nimba formulations are effective against a several diseases, eczema, sores, burns, ulcers etc. It has been used in ayurvedic medicines for thousands of years because it exhibits therapeutic properties such as anti-viral, anti-fungal, anti-insecticidal, anti-bacterial, anti-allergic, anti-helminthic, anti-inflammatory and anti-dermatic properties. Approximately 135 different structural compounds have been identified from different parts of Neem tree for their beneficial effects. Various examples with detailed citations and descriptions, translated from ancient Acharyas such as *Charaka*, *Susrutha*, and *Vaghbata* have been covered. Vernacular names and Sanskrit synonyms of Neem along with its descriptive meaning

illustrates the importance and popularity of NimbaS at a wider scale.

KEYWORDS: Eczema, sores, anti-bacterial, anti-allergic, anti-helminthic, anti-inflammatory, *Charaka*, *Susrutha*.

INTRODUCTION

Ancient Sanskrit had a particular expression for this state: "*Nimba*", which over time, derived into Nimba. Nowadays, Nimba is used to reference the *Azadirachta indica* (Neem) tree, traditionally though to bring "good health" to those who take them. Through this review we aim to highlight the latest work done on the extracts of Nimba, focusing on certain major aspects, such as their importance as antioxidants, and their potential role in mitigating diabetes and cancer. Beforehand we will give a brief overview on several of the most relevant

bioactive compounds typically found in many extracts, although though our work, we will continue referring to other compounds as it is understandable that both starting materials and extraction processes differ greatly. Furthermore, we emphasize that much of the current work continues to be experimental and as such, there is a section devoted to the toxicity effects, which should always be considered, encouraging further research to develop better products for human use. Finally, we discuss a section on industrial applications, as exemplified by its use as antimicrobial and fungicide agents, its effects as a contraceptive, derivatives for epoxy-resins, and other current medical use.

Today, the best-established and most widely recognized skin care uses are based on its merits as antibacterial, anti-inflammatory, antiparasitic, analgesic, wound healing and antifungal properties that not only gives benefits to health but also solves many beauty problems. Nimba preparations are reportedly efficacious against a variety of skin diseases, septic sores, and infected burns. Nimba ingredients are applied in Ayurveda, Unani, Homeopathy, and modern medicine for the treatment of many infectious, metabolic, or cancer diseases. *Azadirachta indica* has complex of various constituents including nimbin, nimbidin, nimbolide, and limonoids and such types of ingredients play role in Skin diseases management through modulation of various genetic pathways and other activities.^[1]

Ayurvedic literature^[2-6]

1. Charak Samhita	Gana- kandughna, Tiktakandh
2. Susruta Samhita	Gana- Aaragwadadi, Guduchyadi, Lakshadi

DISCUSSION AND CONCLUSION

Nimba and its ingredients have therapeutics implication and have been traditionally used worldwide especially in Indian Subcontinent since ancient time in children. Clinical based studies confirmed that Nimba plays pivotal role in prevention of various diseases. A lot of research and studies have concluded that the Nimba tree oil benefits are magical be it skin, hair, chronic or viral diseases, stress or overall wellness. The list of benefits just doesn't seem to end! This is a gentle reminder of the old yet wise phrase: Old is gold! No matter what your problem is, the Nimba will always come to your rescue. The detailed study should be made based on animal to know the exact mechanism of action in the diseases management.

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